

DOLICHOS BEAN *Dolichos lablab* L.

Variety: Pusa Early Prolific, HD-18 and local cultivars

Hill Zone: DC-4 and DC-5

Description:

Pusa Early Prolific: Pole type; pod long, dark green curved, thin in bunches, 4-5 seeded; suitable for early crop, maturity 70-80 days, yield 50-60 q of green pods/ ha, less susceptible to Cercospora leaf spot and mosaic, aphid tolerant.

HD-18: Pole type, pod dark green, curved, 4-5 seeded, maturity 110-120 days; yield 40-60 q of green pods/ha, tolerant to aphid and mosaic.

DC-4: Pod medium broad, flat purplish green in colour, slightly curved. av. yield 39-44 q/ha.

DC-5: Pod broad, flat of medium length, green in colour and curved, av. yield 38 q/ha.

Soil: Well drained sandy loam rich in organic matter with pH 5.5-6.0

Field preparation: Land should be prepared thoroughly to a fine tilth

Seed rate: 20-30 kg/ha

Sowing time: July-August

Seed treatment: Seeds should be treated with Carboxin @ 2-3 g/kg seeds

Spacing: 1.25 m x 75 cm

Manure and Fertilizer:

FYM @ 20 t, N 30 kg, P₂O₅ 40 kg and K₂O 20 kg/ha (2.6 t FYM, 8.8 kg Urea, 33.6 kg SSP, 4.5 kg MOP and 1.1 kg Borax/bigha). Half of N and full doses of FYM, P₂O₅ and K₂O should be applied as basal and the remaining half of N to be top dressed at flowering.

Interculture:

- 1. Irrigation:** As in French bean
- 2. Weeding:** Inter cultivation should be done to control weeds until vines spread between rows.

Plant protection:

- 1. Aphids, Jassids and Beetles:** Spray Thiamethoxam 25 WG @ 26 g ai/ha
- 2. Yellow mosaic:** Prophylactic measures should be taken against insect vectors

Harvesting: Pods should be harvested while they are tender, succulent and have not become fibrous.

Yield: 40-50 q of green pods/ha